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No. 33]

NEW DELHI, SATURDAY, AUGUST 18, 1973 (SRAVANA 27, 1895)

इस भाग में बिना पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बंधित अधिसूचनाएं और नोटिस

Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 18th August, 1973

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

Application for Patents filed at the Head Office
28th July 1973

1750/Cal/73. Pennsylvania Engineering Corporation. Method and apparatus for air pollution control combined with safe recovery and control of gases from a bottom-blown steel converter vessel.

1751/Cal/73. Wavin B. V. Moisture-tight plastic bag. (18th May 1973).

1752/Cal/73. Robert Bosch Gmbh. Electrically conductive sealing compound, in particular for sparking plugs, together with methods of preparation.

1753/Cal/73. Robert Bosch Gmbh. Composite resistor and a method of manufacturing the same.

1754/Cal/73. Dunlop Limited. Improvements in or relating to tyre and wheel assemblies. (29th July 1973). [Addition to No. 131740].

1755/Cal/73. The Perolin Company, Inc. Composition and methods for inhibiting corrosion and ash deposition in fossil fuel burning equipment.

1756/Cal/73. Marathon Oil Company. Transporting hydrocarbon mixture as a slurry.

1757/Cal/73. Burroughs Corporation. Data processing method and apparatus using occupancy indications to reserve storage space for a stack.

1758/Cal/73. Ministerul Transporturilor Si Telecomunicatiilor Navrom. Mechanized plant for regenerating or reconditioning used oils.

30th July 1973

1759/Cal/73. Council of Scientific and Industrial Research. Improvements in or relating to a current con-

trolled inductive transducer and associated electronic circuit used in the measurement of displacement and force.

1760/Cal/73. Council of Scientific and Industrial Research. A method of diffusion welding stainless steel to mild steel in air.

1761/Cal/73. Barlodome International Limited. Collapsible cantilever beam and shelters made therewith. (3rd August 1972).

1762/Cal/73. American Home Products Corporation. Benzylamine analgesics. (5th September 1972).

1763/Cal/73. Ciba-Geigy AG. New Azo dyestuffs, their manufacture and their use.

1764/Cal/73. Werkzeug-Union Gmbh Dwu. Screw wrench and the like with a reversible operating mechanism.

1765/Cal/73. M/s. Modern Tin Printers and Fabricators. Lunch box.

31st July 1973

1766/Cal/73. Wgw Westdeutsche Getriebe-und Kupplungswerke Gesellschaft mit beschränkter Haftung. Gear unit. (15th March 1973).

1767/Cal/73. Societe Nationale Des, Poudres Et Explosifs. Production of particulate plasticised nitrocellulose.

1768/Cal/73. Shell Internationale Research Maatschappij B. V. Process and apparatus for the manufacture and cooling of gases containing hydrogen and carbon monoxide. (2nd August 1972).

1769/Cal/73. Dunlop Limited. Improvements to conveyor belting. (3rd August 1972).

1770/Cal/73. Buckman Laboratories, Inc. Novel metal salts of dithiocarbamic acids.

1771/Cal/73. Basf Aktiengesellschaft. Manufacture of particulate expandable styrene polymers requiring short minimum residence times in the mold.

- 1772/Cal/73. Cess International GmbH. Device for the extraction of gas from a circulation fluid.
- 1773/Cal/73. W. Evers. A process for the preparation of complex compounds of aspartic acid.
- 1774/Cal/73. Council of Scientific and Industrial Research. A process for the production of self-fluxing, pre-reduced ore briquettes with non-caking coal coke fines and the fluxes.
- 1775/Cal/73. Council of Scientific and Industrial Research. Improvements in or relating to the manufacture of ceramic capacitors.

1st August 1973

- 1776/Cal/73. Aluminium Company of America. Digitally operable container closure, and method and apparatus for forming such closure.
- 1777/Cal/73. Mitsubishi Denki Kabushiki Kaisha. Mounting structure for ferrite core.
- 1778/Cal/73. The University of Illinois Foundation. Soybean beverage base and process.
- 1779/Cal/73. F. Hoffmann-La Roche & Co. Aktiengesellschaft. Plant growth regulants.
- 1780/Cal/73. Konrad Rosenbauer K. G. Improvements relating to admixture metering system for pump units, particularly for pump units for fire-fighting purposes.
- 1781/Cal/73. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Benzoxanthene and benzothioxanthene dyestuffs and process for preparing them.
- 1782/Cal/73. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Perinone dyestuffs and process for preparing them.

2nd August 1973

- 1783/Cal/73. Fertilizer Corporation of India Limited. A process for complete removal of last traces of alkalis and ammonia from gases using cation exchange resin in hydrogen form.
- 1784/Cal/73. J. A. Steding. Improved method and apparatus for installing concrete piles. (2nd April 1973).
- 1785/Cal/73. S. A. des Anciens Etablissements Paul Wurth. Improvements in and relating to driving and mounting equipment for a shaft furnace charging device. (26th April 1973).
- 1786/Cal/73. Marston Excelsior Limited. Improvements in or relating to electrodes. (3rd August 1972).
- 1787/Cal/73. American Cyanamid Company. Phthalimide plant growth regulants.
- 1788/Cal/73. Metallgesellschaft Aktiengesellschaft. Shell tube for rotary kilns.
- 1789/Cal/73. Mahender Nath Sharma. A process for manufacturing novel plastic identity cards and cards produced thereby.
- 1790/Cal/73. Nrm Corporation. Apparatus for severing tire ply stock and the like.
- 1791/Cal/73. Asturiana De Zinc, S. A. A process for recovering zinc from ferrites. [Addition to No. 101613].
- 1792/Cal/73. F. Dinkelaar. Improvements in and relating to toilet fittings. (3rd August 1972).
- 1793/Cal/73. R. K. Chemical Industries Pvt. Ltd. Improvements in or relating to gums or adhesive.
- 1794/Cal/73. N. V. Philips' Gloeilampenfabrieken. Gettering device for a picture display tube, method of manufacturing a picture display tube by means of such a gettering device, and picture display tube obtained in this manner.

**Application for Patents Filed at Patents Office
(Bombay Branch)**

24th July 1973

- 250/Bom/73. R. G. Bansal. Improvements in or relating to mechanical interlock.

25th July 1973

- 251/Bom/73. Messrs Bhagyodaya Metal Platers. Internal locking arrangements.

27th July 1973

- 252/Bom/73. Crompton Greaves Limited. Improvement in the static excitation unit for electric generators.
- 253/Bom/73. New Standard Engineering Company Limited. Improvements in or relating to means for feeding and distributing fibrous material to textile machines.
- 254/Bom/73. New Standard Engineering Company Limited. Improvements in or relating to feeding chutes for feeding fibrous materials to carding engines.
- 255/Bom/73. New Standard Engineering Company Limited. Improvements in or relating to a system for feeding fibres to textile machines.

**Application for Patents Filed at Patent Office
(Madras Branch)**

26th July 1973

- 104/Mas/73. (1) Dr. P. S. Srinivasan (2) T. Joseph, and (3) P. P. Gervadis. Commutatorless repulsion start alternating current single phase induction type electric motor.

Alteration of Date

97212. The claim to convention date 4th January 1964 has been abandoned and the application dated as of 29th December 1964, the date of filing in India.
- 135424 (140/Cal/73). Ante-dated to 16th June 1970.
- 135425 (538/Cal/73). Ante-dated to 28th December 1970.
- 135420 (1111/Cal/73). Ante-dated to 4th June 1971.

Complete Specifications Accepted

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 32-F-1+32-F-2a

97212

METHOD FOR THE PREPARATION OF A GUANIDINE.
THE WELCOME FOUNDATION LIMITED, OF 183-193, EUSTON ROAD, LONDON, N. W. 1.

Application No. 97212 filed December 29, 1964.

8 Claims.

A method for preparing a guanidine of formula (1) of the drawings, wherein L is a phenyl group optionally substituted in the 2 or 3 position with a chlorine or bromine atom or a methyl group or L is 2-thienyl group optionally substituted in the 3 position with a methyl group and R¹ and R² are the same or different and each is a hydrogen atom or a methyl or ethyl group which method comprises the reaction of an O-alkylisourea of formula AOC (: NO²) NHO³ or a salt thereof with ammonia or a primary amine of formula O¹NH² or a salt thereof wherein Q¹, Y² and Y³ taken

in any order represent LCH_2 —, R^1 and R^2 , L , R^1 and R^2 being as defined above and A is a lower alkyl group of 1-6 carbon atoms.

CLASS 32-G. 108310.
PROCESS FOR THE PREPARATION OF VITAMIN B_{12}

RICHIER GEDEON VEGYESZETI GYAR R. T., OF
63, CSERKESZ UTCA, BUDAPEST X, HUNGARY.

Application No. 108310 filed December 5, 1966.

4 Claims—No drawings.

A process for producing vitamin B_{12} and B_{12} analogues by way of septic fermentation with a bacterial population deriving originally from sewage sludge, propagated through generations in a nutrient medium containing sewage sludge organic and inorganic compounds and methanol, characterized in that this B_{12} vitamin producing population is adapted by its repeated inoculation to proliferation and B_{12} production in a nutrient medium with the total elimination of sewage sludge, and continuing the production by transferring this adapted population of a ripe fermentation successively to the new fermentation medium devoid of sewage sludge.

CLASS 32-F-3-d. 113057

PROCESS FOR THE PREPARATION OF NOVEL
DES-A-GONA-9, 11-DIEN-5-ONES.

ROUSSEL-UCIAF, OF 35, BOULEVARD DES INVALIDES, PARIS 7 EME, FRANCE.

Application No. 113057 filed November 6, 1967.

Convention date December 21, 1966 (57102/66). U.K.

18 Claims

A process for the preparation of a des-A-gona-9, 11-dien-5-one of general formula I (wherein R and X are as defined hereinbefore), in which a corresponding 10-formyl-gona-9, 11-dien-5-one (general formula IV in the accompanying drawings) is selectively reduced, employing an alkali-metal mixed hydride as the reducing agent, to give the desired 10-hydroxymethyl derivative.

CLASS 32-F & 55-E 117876

A PROCESS FOR THE CHLORINATION OF PHENOLS.

RECKITT & COLMAN PRODUCTS LIMITED, OF
DANSOM LANE, HULL, YORKSHIRE, ENGLAND.

Application No. 117876 filed October 3, 1968.

19 Claims

A process for the chlorination of phenols using cupric chloride, which process comprises contacting one or more phenols with cupric chloride in an aqueous medium and effecting at least a substantial proportion of the chlorination reaction in the presence of hydrochloric acid in excess of the hydrochloric acid produced during the course of the reaction, at a reaction temperature in the range 75-150°C, and recovering by methods known per se the chlorinated phenol so formed.

CLASS 32-F-3-d 119368

IMPROVED PROCESS FOR THE DEHYDROHALOGENATION OF 3-KETO-2,4-DIHALOGENO STEROIDS.

SCHERICO LTD., OF TOPFERSTRASSE 5, LUCERNE, SWITZERLAND.

Application No. 119368 filed January 10, 1969.

17 Claims.

A process for preparing 3-keto- $\Delta^{1,4}$ steroids by dehydrohalogenating the corresponding 3-keto-2,4-dihalogeno steroid, which comprises heating the 3-keto-2,4-dihalogeno steroid in a medium comprising a basic salt, which is a carbonate or oxide of an alkali or alkaline earth metal, a tertiary amide and water, said water being present in an amount up to about 10% of the volume of the tertiary amide, to yield the corresponding 3-keto- $\Delta^{1,4}$ steroid.

CLASS 32-C & 55-E.4. 125136

NOVEL PROCESS FOR PRODUCING ANTIBIOTICS
BLEOMYCIN.

ZAIDAN HOJIN HISEIBUTSU KAGAKU KENKYU
KAL, OF 403, NAKAMARU, KAMIOSAKI, SHINAGAWA-KU, TOKYO, JAPAN.

Application No. 125136 filed February 4, 1970.

7 Claims.

A process for producing antibiotics bleomycins by inoculating and aerobically culturing in a nutrient source containing medium a bleomycin-producing strain belonging to the actinomycetes streptomyces verticillus (e.g. ATCC No. 15003 and ATCC No. 21678) wherein, the culture is effected in the

presence of an amino compound having one $-\text{C}-\text{CH}_2-\text{NH}_2$

group and at least one basic group selected from amino, imino, guanidino, amidino, sulfonium, nitrogen-containing cyclic groups, or in the presence of a compound convertible in the culture liquor to such amino compound as mentioned above, thereby selectively producing a known or novel bleomycin component corresponding to the said amino compound or to an amino compound derived from the above-mentioned compound, and then the known or novel bleomycin having a partial structure represented by the formula I(a) shown in the accompanying drawings wherein Y is selected from the radicals shown in Figs. 2 to 6 of the drawings wherein X is

$-(\text{CH}_2)_n-$, $-(\text{CH}_2)_n-\text{N}-(\text{CH}_2)_{n-2}-$,

$\begin{array}{c} | \quad | \quad | \quad | \\ \text{R}^6 \quad \text{R}^6 \quad \text{R}^7 \quad \text{R}^6 \\ | \quad | \quad | \quad | \\ -(\text{CH}_2)_n-\text{N}-(\text{CH}_2)_{n-2}-\text{N}-(\text{CH}_2)_{n-3}-, -(\text{CH}_2)_n-\text{C}-, \\ | \quad | \quad | \quad | \quad | \quad | \\ \text{R}^6 \quad \text{R}^7 \quad \text{R}^{6'} \quad \text{R}^7 \quad \text{R}^{6''} \quad \text{NH} \end{array}$

or a group of the formula shown in Fig. 7 of the drawings wherein, R^1 , R^2 represent H, alkyl group,

$\begin{array}{c} \text{OR}^9 \\ | \\ -(\text{CH}_2)_{n-4}-\text{H}, -(\text{CH}_2)_{n-4}-\text{OR}^9, -\text{C}-\text{NH}_2, \text{ or one of the} \\ | \quad | \quad | \\ \text{R}^8 \quad \text{R}^8 \quad \text{NH} \end{array}$

group, shown in Figs. 8 to 10 of the drawings, wherein R^3 , R^4 , R^5 represent an alkyl group; the group shown in Fig. 11 of the drawings is selected from the radicals shown in Figs. 12 to 16 of the drawings and the group shown in Fig. 17 of the drawings which is selected from the radicals shown in Figs. 18 to 20 of the drawings wherein

$n^2, n^3, n^4, n^{4'}, n^{4''}$ = an integer of 1-8, n' = an integer of 0-8, $\text{R}^6, \text{R}^{6'}, \text{R}^{6''}, \text{R}^7, \text{R}^{7'}, \text{R}^{7''}, \text{R}^8, \text{R}^{8'}, \text{R}^{8''}, \text{R}^9, \text{R}^{9'}, \text{R}^{9''}, \text{R}^{10}, \text{R}^{10'}, \text{R}^{10''}, \text{R}'' = \text{H}$, alkyl groups, and the dotted line in the formula $[-(\text{CH}_2)_n-], [-(\text{CH}_2)_{n-1}-], [-(\text{CH}_2)_{n-2}-], [-(\text{CH}_2)_{n-3}-],$

$\begin{array}{c} | \quad | \quad | \quad | \\ \text{R}^6 \quad \text{R}^6 \quad \text{R}^{6'} \quad \text{R}^{6''} \\ | \quad | \quad | \quad | \\ \text{OR}^9 \\ | \\ -(\text{CH}_2)_{n-4}-, -(\text{CH}_2)_{n-4'}-, -(\text{CH}_2)_{n-4''}-, -(\text{CH}_2)_{n-4'''}-, \\ | \quad | \quad | \quad | \\ \text{R}^8 \quad \text{R}^{8'} \quad \text{R}^{8''} \quad \text{R}^{8'''} \end{array}$

shows that a hydrogen atom on a carbon chain may be substituted at any position of the alkyl group, is recovered by known means from the culture medium.

CLASS 107D

130834

APPARATUS FOR REGULATING THE DRIVING
TORQUE AND ENERGY ABSORPTION IN
ENERGY ABSORPTION DEVICES.

BORGS FABRIKS AKTIEBOLAG, OF BOX 242,
60104 NORRKOPING, SWEDEN.

Application No. 130834 filed April 3, 1971.

3 Claims.

An apparatus for regulating the driving torque and energy absorption in energy absorption devices in which liquid is pumped round in a rotor and stator lattice having blades which are curved in opposite directions, characterized in that there is provided for encasing the rotor blades either fully or partially an annular, axially adjustable capsule of U-shaped cross section, said capsule being so positioned over the blades that said blades can be enclosed by the blades to a greater or lesser extent, depending on the axial position of the capsule.

CLASS 29-A+D & 67-C.

131343.

CONTROL UNIT FOR DATA STORAGE APPARATUS.

INTERNATIONAL BUSINESS MACHINES CORPORATION, OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA AND ALSO OF 590 MADISON AVENUE, NEW YORK 22, NEW YORK, U.S.A.

Application No. 131343 filed May 13, 1971.

Convention date May 20, 1970 (24312/70) U.K.

21 Claims

A control unit for a data storage apparatus storing a plurality of data records, each record having a plurality of serially accessible fields and each field consisting of a plurality of data groups; the control unit being adapted to be connected to a data processing unit of the type executing a plurality of commands relating to operations to be performed in the storage apparatus, the processing unit generating from a given set of control signals an appropriate sequence of control signals for each command, said control unit comprising means which receive from the processing unit a sequence of control signals which control the apparatus in accordance with a command decoded by the processing unit, means which control the apparatus over each field or an area of each field of a record by a different one of the signals of the sequence, each signal specifying the operation to be performed on a respective field or the area of that field and containing a count; means which decrement the count as each data group of the respective field or the area of that field is operated upon; and means effective at given values of the count to initiate given functions of the storage apparatus and control unit.

CLASS 55-D-2.

131542

PROCESS FOR PREPARATION OF PULVERULENT PESTICIDAL FORMULATION.

E.I. DU PONT DE NEMOURS AND COMPANY, AT WILMINGTON, DELAWARE, U.S.A.

Application No. 131542 filed May 29, 1971.

8 Claims—No drawings.

Process for preparing a pulverulent pesticidal formulation comprising reacting a compound selected from the group consisting of methyl O-(methylcarbamyl)-thiolacetohydroxamate and methyl O-carbamyl thiolacetohydroxamate with an adsorptive uncalcined mineral smectite having a HAT absorptive factor of at least 35%, in weight ratio of smectite to the active ingredient being at least 3 to 4, and if desired adding to obtained formulation up to 3 parts surfactant such as herein defined and/or up to 15 parts dispersing agent such as herein defined and/or up to 2 parts conventional corrosion inhibitor and/or up to 2 parts conventional conditioning agent.

CLASS 152-B, 154-C & 208.

131921.

A FLEXIBLE SHEET OR RIBBON FOR MARKING SURFACES.

THE NATIONAL CASH REGISTER COMPANY OF DAYTON IN THE STATE OF OHIO, UNITED STATES OF AMERICA AND BALTIMORE IN THE STATE OF MARYLAND, UNITED STATES OF AMERICA.

Application No. 131921 filed June 29, 1971.

Addition to No. 131143.

17 Claims

A flexible sheet or ribbon carrying on one of its surfaces a detectable marking composition transferable by applied pressure onto mark-receiving surfaces, wherein the transferable marking composition includes a thermoplastic aminotriazine-sulphonamide-aldehyde copolymer and polysiloxane binder material.

CLASS 34-A.

132184.

A METHOD OF PREPARING THE HOLLOW FILAMENTS AND REVERSE OSMOSIS MEMBRANES PREPARED THEREFROM.

MONSANTO COMPANY, 800 NORTH LINDBERGH BOULEVARD, ST. LOUIS, MISSOURI, 63166, UNITED STATES OF AMERICA.

Application No. 132184 filed July 21, 1971.

4 Claims.

A method for preparing hollow filaments from cellulose esters for use in reverse osmosis membranes, characterized by: (a) dissolving a cellulose ester in a solvent to form a solution having a solids content of from 25-35 per cent by weight, and a viscosity of at least about 1000 poises at 50°C. (b) extruding said solution through a shaping orifice to form a hollow filament structure, (c) passing said hollow filament structure through an evaporative zone rich in said cellulose ester solvent with exposure time in said evaporative zone being from 0.01 to 1.0 seconds, (d) immersing said hollow filament directly into water coagulation bath held at ice water temperatures, (e) forwarding said hollow filament to a water wash bath, (f) annealing said hollow filament in a hot water bath maintained at a temperature ranging from 65°C to 95°C.

CLASS 27-A.

132408

IMPROVEMENTS IN OR RELATING TO APPARATUS FOR THE CONSTRUCTION OF BRIDGES.

THE SECRETARY OF STATE FOR DEFENCE IN HER BRITANNIC MAJESTY'S GOVERNMENT OF THE UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND, WHITEHALL, LONDON, S. W. 1, ENGLAND.

Application No. 132408 filed August 6, 1971.

Convention date August 13, 1970 (39047/70) U.K.

8 Claims.

Apparatus for the construction of a bridge incorporating piers pivotally connected to a transverse structure for articulation in a plane transverse to the bridge, the angles between the piers and the transverse structure being normally maintained at predetermined values by hydraulic articulators each operatively connected to a pier and to the transverse structure and extending obliquely across the angle therebetween, each such hydraulic articulator having a valve actuable, when a predetermined critical load on the articulator is exceeded, to permit change of length of the articulator and variation of the angle between the associated pier and the transverse structure.

CLASS 32-E & 40-B.

133047.

PROCESS FOR POLYMERIZING MONOMER CHARGE WITH TETRAHYDROFURAN MODIFIED CATALYST.

UNION CARBIDE CORPORATION, AT 270 PARK AVENUE, NEW YORK, NEW YORK 10017, UNITED STATES OF AMERICA.

Application No. 133047 filed September 24, 1971.

50 Claims.

In a process for polymerizing a monomer charge comprising ethylene by contacting said charge with inorganic oxide supported bis (cyclopentadienyl)-chromium [II] catalyst, the improvement which comprises modifying said catalyst prior to said contact with at least one compound having in its

structure at least one moiety of the formula $\frac{1}{1} \text{X} - \text{O} - \frac{1}{1} \text{X}$

wherein the X's are the same or different and are C or Si.

CLASS 32-F₁, 32-F_{2a}, 32-F_{2d}, 84-B & 140A-1.

133118.

PROCESS FOR PREPARATION OF N-ACYLATED AMINOSULFONIC ACIDS AND DERIVATIVES THEREOF.

THE LUBRIZOL CORPORATION, CLEVELAND, OHIO 44117, U.S.A.

Application No. 133118 filed October 5, 1971.

9 Claims.

Process for producing N-acylated amino sulphonic acids which comprises reacting at least one carboxylic acid acylating agent having at least about 50 aliphatic carbon atoms exclusive of the carboxyl carbon atoms with an amino-substituted sulfonic acid reactant selected from the class consisting of aromatic amino sulfonic acids having at least one sulfo group attached directly to a nuclear carbon atom of an aromatic hydrocarbon ring and monoamino aliphatic sulfonic acids, the sulfonic acid reactant having at least one amino

group of the formula HN and if desired forming Group I

or Group II metal salts thereof by known method as herein defined.

CLASS 32-A-1, 62-C-1 & 154-H.

133145

2 Claims.

PROCESS FOR THE PRODUCTION OF WATER-SOLUBLE AZO DYES.

CASSELLA FARBWERKE MAINKUR AKTIENGESSELLSCHAFT OF HANAUER LANDSTRASSE 526, 6 FRANKFURT (MAIN)—FECHENHEIM, WEST GERMANY.

Application No. 133145 filed October 6, 1971.

10 Claims.

Process for the production of water-soluble azo dyes of the general formula I shown in the accompanying drawings, wherein D means the radical of a diazo component, R₁ stands for a hydrogen atom, an optionally substituted alkyl, alkenyl, cycloalkyl, cycloalkenyl or aryl group, or for a possibly substituted amino group, and R₂ represents a hydrogen atom or an optionally substituted alkyl, cycloalkyl or aromatic group, characterized by coupling a diazonium compound prepared from an amine of the general formula D-NH₂ where D has the above meaning with a coupling component of the general formula shown in Fig. 2 of the drawings where R₁ and R₂ have the meanings given above.

CLASS 62-B.

133199.

BEAM DYEING MACHINE

RELIANCE MACHINE MANUFACTURERS PRIVATE LIMITED, OF 126, DELISLE ROAD, BOMBAY-13, MAHARASHTRA STATE, INDIA

Application No. 133199 filed October 11 1971.

7 Claims

A beam dyeing machine including an autoclave, a beam on which the fabric is to be wound and inserted within the autoclave from the forward or open end of the autoclave, said beam comprising a perforated cylinder and means for closing the ends of the said beam, characterised by that at the opposite or closed end of the autoclave is formed an opening where there is fitted an impeller type pump, said pump having within its housing two passages, one leading to the inside of the beam and the other leading to the autoclave, said passages being independent of each other, but both communicating with the pump housing, said pump being adapted to be driven in both directions by a driving motor of the reversible type such that in one direction of the rotation of pump impeller/s, the passage leading to the autoclave becomes the inlet and the passage leading to the inside of the beam becomes the output and in the opposite direction of rotation the reverse takes place.

CLASS 80-A

133256.

IMPROVEMENTS IN/OR RELATING TO WATER FILTER.
LT. COL. EKNATH VISHNU KETKAR (RETD), 425/68, VEER SAVARKAR NAGAR, POONA-9, MAHARASHTRA STATE, INDIA.

Application No. 133256 filed October 16, 1971.

2 Claims.

Improvements in or relating to the water filter comprising an outer shell or container made up of suitable grade of plastic and closed from top where there is provided an inlet opening, dummy cap being screwed over the top, on the inside of the top cover, there being provided a plastic guide for supporting a ceramic candle which being hollow acts as filtering medium; the said ceramic candle being supported from bottom receptacle ring being provided on the inner side of the bottom closure; there being provided suitable threaded portion on the said bottom closure and over this threaded portion, there is fitted a cover, which pushes the bottom closure in the said bottom portion and there being provided an additional threaded nut, which runs over the threaded portion provided on the extended part of the said bottom closure; on tightening the said nut, the cover and the bottom closure are tight fitted to render the water filter water tight.

CLASS 80-A

13257.

IMPROVEMENTS IN/OR RELATING TO COMMUNITY TYPE WATER FILTER.

LT. COL. EKNATH VISHNU KETKAR (RETD) 425/68, VEER SAVARKAR NAGAR, POONA-9, MAHARASHTRA STATE, INDIA.

Application No. 133257 filed October 16, 1971.

Improvement in community type water filter comprising a dome shaped pressure chamber fitted with a bottom chamber called receptacle, being further supported on a firm stand, further there being provided a plurality of ceramic candles being closely spaced and support on floor of the said pressure chamber; the said plurality of ceramic candles closely spaced afford speedy filtration, in addition there being provided an auxiliary filter or strainer unit, comprising another independent unit holding a candle made up of microcellular flexible foam and covered a fine meshed netting; the said auxiliary filter or strainer unit is meant for prefiltering two turbid water before entering the said pressure chamber

CLASS 119-F-4.

133437.

LOOM PICKER,

DAYCO CORPORATION, 333 WEST FIRST STREET,
DAYTON, OHIO 45402, UNITED STATES OF AMERICA,
Application No. 133437 filed November 1, 1971.

11 Claims.

A loom picker comprising a body of resilient elastomeric material and having a picker stick opening passing through the upper and lower surfaces thereof, a cavity in one end of said body having a threaded configuration and terminating short of said opening, and a shuttle-contacting insert of wear-resistant material mounted in said cavity, said insert also having a threaded configuration and being mounted within said cavity to provide installation and removal of said insert.

CLAS 15-C & 27-GI.

133526.

ELASTIC BEARING DEVICE IN PARTICULAR FOR STRUCTURES.

SOCIETE TECHNIQUE POUR L'UTILISATION DE LA PRECONTRAINT (S.T.U.P. PROCEDES FREYSSINET), OF 66 ROUTE DE LA REINE, BOULOGNE, HAUTS DE SEINE, FRANCE.

Application No. 133526 filed November 8, 1971.

14 Claims.

Device, especially intended to act as a bearing between a structure and its support and including a block of laminated elastomer layers and metal sheets placed between two plates connected to the said structure and to said support respectively, characterized in that said block includes a pin integral with one of said plates and extending all the way through said block through the second plate having a hole, the hole in said second plate through which passes said pin having a restricted cross-section surrounding said pin with a small clearance, said hole flaring from such restricted cross-section towards the outer face of said second plate.

CLASS 32F2b.

133741.

PROCESS FOR PURIFYING LACTAMS

INVENTA AG FUR FORSCHUNG/UND PATENAVERTUNG, ZURICH, OF STAMPFENBACHSTRASSE 38, ZURICH, 6 SWITZERLAND.

Application No. 133741 filed November 25, 1971.

8 Claims, No drawings.

Process for the purification of lactams, characterised in that raw lactam is subjected to a combined process of crystal extraction with an aliphatic or cycloaliphatic hydrocarbon with 5-10 C-atoms and distillation under reduced pressure, in either sequence.

CLASS 32-F-2-b.

133742.

PROCESS FOR PURIFYING CAPROLACTAMS.

INVENTA AG FUR FORSCHUNG UND PATENTVERWERTUNG, OF STAMPFENBACHSTRASSE 38,

ZURICH 6, SWITZERLAND.

Application No. 133742 filed November 25, 1971.

10 Claims.

Process for the purification of caprolactam, characterised in that raw caprolactam is subjected to a solvent distillation,

following a distillation under reduced pressure in the presence of sodium hydroxide, and then to a melt crystallisation, in which, (a) the residue from the alkaline distillation is dissolved in water, the aqueous solution extracted with benzene or toluene and the lactam solution recycled to the main stream through the solvent distillation, (b) the residue from the melt crystallisation as extracted in the crystalline state with an aliphatic or cycloaliphatic hydrocarbon with 5-10 carbon atoms and the purified residue recycled to the alkaline distillation stage of the main product stream, and (c) the aliphatic or cycloaliphatic hydrocarbon is regenerated and again used for extraction of the residue from the melt crystallisation.

CLASS 136-C+E. 133877

A PROCESS FOR THE PRODUCTION OF SHAPED ARTICLES FROM POLYMERS OF ACRYLONITRILE.

VEB CHEMIEFASERKOMBINAT SCHWARZ "WILHELM PIECK" OF DDR 6822 RUDOLSTADT-SCHWARZ, GERMAN DEMOCRATIC REPUBLIC.

Application No. 133877 filed December 7, 1971.

6 Claims

Process for the production of fibers, filaments, sheets, and similar shaped articles like bands, bristles and wires from copolymers of acrylonitrile which soften when heated by forming the co-polymers by means of an extruder and the subsequent stretching of the obtained primary products characterized in that the copolymers of acrylonitrile before extruding are mixed with 0.5% to 50% of polymeric substances such as herein described which of their own have fibre-forming properties, melt within a temperature range of 100°C to 300°C and solidify in a crystalline form.

CLASS 172-D-4 133897.

BOBBIN HOLDER

MADAN LAL SARIA, 13, INDIA EXCHANGE PLACE, CALCUTTA-1, WEST BENGAL, INDIA

Application No. 133897 filed December 9, 1971.

7 Claims

A bobbin holder of a plastic material such as polythene characterized in that it consists of two detachable parts—the first part consisting of a crown formed integrally with a down-wardly extending solid round stem with a grooved abutment at its upper end and inverted channel-shaped base loosely holding a pair of legs in the intervening space of the said base and the second part consisting of a double-walled head with a hollow round stem provided with two vertical slits at two sides thereof and a collar sliding along the said hollow stem and adapted to operate a coiled spring loosely held thereon to release and withdraw the said legs through the said slits.

CLASS 32-F-2(b). 134502.

PROCESS FOR THE PREPARATION OF 2-(4-AMINOPHENYL)-6-METHYL-BENZOTHIADIAZOLE.

CASSELLA FARBERWERKE MAINKUR AKTIENGESellschaft OF HANAUER LANDSTRASSE 526, 6 FRANKFURT (MAIN)-FECHENHEIM, WEST GERMANY.

Application No. 134502 filed February 4, 1972.

7 Claims

A process for preparing 2-(4-aminophenyl)-6-methyl-benzothiazole which comprises reacting p-toluidine and sulfur in a ratio of p-toluidine to sulfur of between 5 to 15 mols p-toluidine to 4 g-atoms sulfur at a temperature in excess of 280°C, and up to 550°C at a pressure of at least 28 atmospheres absolute.

CLASS 32-F₁+32-F-2(b). 135156.

PROCESS FOR THE PREPARATION OF HYDROXY-PYRIDONE-MONOSULFONIC ACIDS.

CASSELLA FARBERWERKE MAINKUR AKTIENGESellschaft OF HANAUER LANDSTRASSE 526, 6 FRANKFURT (MAIN)-FECHENHEIM, WEST GERMANY.

Application No. 135156 filed April 4, 1972.

10 Claims

A process for the preparation of hydroxy pyridone-mono-sulfonic acids of the general formula I shown in the accom-

panying drawings, wherein X is an optionally branched and/or substituted alkyl group or an optionally substituted cycloalkyl group, Y is hydrogen, a cyano group, an optionally branched and/or substituted alkyl group, an optionally substituted cycloalkyl group or the radicals -CO-R₁, a radical of formula shown in Fig. 1 of the drawings, or -SO₂-R₁, R₁ meaning an optionally branched and/or substituted alkyl group or an optionally substituted cycloalkyl group and R₂ and R₃ representing hydrogen, an optionally substituted alkyl or cycloalkyl group, whereby the alkyl radicals R₁ and R₂ may also be linked to each other either directly or via a hetero atom, Z is hydrogen, an optionally substituted amino group, an optionally branched and/or substituted alkyl group or an optionally substituted cycloalkyl group, whereby X and Y, as far as they mean alkyl radicals, may also be linked so as to form a ring, which comprises treating at -15 to +70°C., in particular at 0 to +50°C., 6-hydroxy-2-pyridone derivatives of the general formula VI shown in the drawings wherein X, Y and Z have the above given meanings, with sulfonating agents.

CLASS 165C. 135314.

SEWING MACHINE

MEFINA S. A., OF 5, ROUTE DE BEAUMONT, FRIBOURG, SWITZERLAND.

Application No. 135314 filed April 18, 1972.

16 Claims

Zigzag stitch sewing machine in which the lateral displacements of the needle are actuated by a cam selected from a stack of cams mounted in fixed and/or removable manner on a common axle to which they are fast in rotation, this axle being rotated by the principal drive shaft of the machine ensuring the to-and-fro movement of a needle bar into a pivoting cradle, the cam ensuring the pivoting of the cradle by means of a transmission element, said transmission element comprising a lever hinged to the frame and provided with a feeler in contact with the profile of said cam, a rod driven in a sliding movement hinged to the cradle, and an intermediate element displaceable between a support surface presented by said level and a ramp axially fast to said rod.

CLASS 32F2b. 135416

PROCESS FOR THE MANUFACTURE OF 1-ALKYLENE-2-AMINOMETHYL PYRROLIDINES.

FRATMANN S. A., OF 5, CHEMIN DU MONT-BLANC, 1224 CHENE BOUGERIES, SWITZERLAND

Application No. 262/72 filed May 20, 1972.

2 Claims

Process for the manufacture of 1-alkylene-2-aminomethyl pyrrolidines comprising producing a 1-alkylene-2-nitromethylene pyrrolidine by successively reacting a 1-alkylene-2-pyrrolidone with dimethyl sulphate, an alkali alcoholate, and nitromethane, and selectively reducing the nitromethylene group of the 1-alkylene-2-nitromethylene pyrrolidine by means of lithium aluminium hydride.

CLASS 32-F₁+F_{2a}+F_{2b}. 135419.

PROCESS FOR THE PREPARATION OF DITHIOCARBAMIC ACID DERIVATIVES.

SHIONOGI & CO. LTD., OF 12, 3-CHOME, DOSHOMACHI HIGASHI-KU, OSAKA, JAPAN.

Application No. 818/1972 filed July 10, 1972.

Convention date May 19, 1972 (23760/72) U.K.

4 Claims

A process for preparing a compound of formula I shown in the accompanying drawings wherein R and R' are the same or different and are each hydrogen, a lower alkyl group, an aryl group, or R and R' when taken together with the nitrogen atom, represent a 5- or 6-membered heterocyclic ring either having no other heteroatoms or one further oxygen or sulfur atom only, which comprises reacting a tropylum salt of the formula II shown in the drawings wherein X is an acid residue with a dithiocarbamic acid or salt thereof of the formula III shown in the drawings wherein M is a qua-

ternary ammonium group or an alkali metal atom and R and R' are each as hereinbefore defined.

CLASS 32-F-3(d). 135420.

PROCESS FOR THE PREPARATION OF CIS-3, 4, 4a, 5, 6, 7, 8, 8a-OCTAHYDRO-3, 4a, 5, 5, 8-PENTAMETHYL-2-(1H)-NAPHTHALENONE.

L. GIVAUDAN & CIE SOCIETE ANONYME, VERNIER-GENEVE, SWITZERLAND.

Application No. 1111/Cal/73 filed May 11, 1973.

Division of Application No. 131599 filed June 4, 1971.

1 Claim

A process for the preparation of cis-3, 4, 4a, 5, 6, 7, 8, 8a-octahydro 3, 4a, 5, 5, 8-pentamethyl-2-(1H)-naphthalenone having the formula I shown in the accompanying drawing which comprises hydrogenating cis-4a, 5, 6, 7, 8, 8a-hexahydro-3, 4a, 5, 5, 8-pentamethyl-2-(1H)-naphthalenone having the formula II shown in the accompanying drawing in the presence of a catalyst.

CLASS 98G, 128G & 179G. 135421.

IMPROVEMENTS IN OR RELATING TO STOPPERS FOR HOT WATER BOTTLES.

RUBBER UDYOG VIKAS PRIVATE LTD., OF P 5 CANNING STREET CALCUTTA, STATE OF WEST BENGAL, INDIA.

Application No. 394/72 filed June 1, 1972.

6 Claims.

A stopper for hot water bag comprising a plug of plastic material with a head, a threaded metal casing fitted around said plug, an outwardly projecting flange at the upper end of the said casing and a cooperating projecting flange formed with the said plug, a first sealing ring fitted between said two flanges and a second sealing means such as ring or disc held between an inwardly projecting flange of the threaded metal casing and the lower end of the said plug of plastic material.

CLASS 172-C-1. 135422.

CARDING APPARATUS HAVING CARD COVER WITH FIBER-CONVEYING CHANNELS.

ROGER STANLEY BROWN, OF 4859 CORONADO DRIVE, NEW ORLEANS, LOUISIANA 70127, UNITED STATES OF AMERICA AND PHILIP LEONARD RHODES, OF 1940 LISA STREET CHALMETTE, LOUISIANA 70043, UNITED STATES OF AMERICA.

Application No. 527/1972 filed June 13, 1972.

5 Claims

Carding apparatus comprising a carding cylinder rotatably mounted on a support member; means for feeding partially opened fibers to the carding cylinder; a worker roll rotatably mounted adjacent and axially parallel to said carding cylinder, said worker roll being provided with a surface which will offer resistance to tufts of fiber being carried by the carding cylinder, said carding cylinder and worker roll being capable of coaxing to separate said partially opened fibers; means for rotating said carding cylinder and worker roll; and upper and lower cover means together enclosing substantially all of the periphery of the carding cylinder, each of said cover means having an inner surface adjacent to and contoured to conform to the surface of said carding cylinder, the upper cover means being provided on the surface adjacent the carding cylinder with a plurality of smooth, uniformly spaced, curvilinearly parallel fiber conveying channels disposed axially in a skewed array across said surface to form an interrupted helical screw thread with termini adjacent opposite ends of said upper cover means and said upper cover means coaxing with the carding cylinder when rotating to convey fibers in a substantially helical path around and across said carding cylinder.

CLASS 172-C-1.

135423.

CARDING APPARATUS WITH CARD COVER HAVING FIBER-CONVEYING AIR-FLOW CHANNEL.

ROGER STANLEY BROWN, OF 4859 CORONADO DRIVE, NEW ORLEANS, LOUISIANA 70127, UNITED STATES OF AMERICA, AND PHILIP LEONARD RHODES, OF 1940 LISA STREET, CHALMETTE, LOUISIANA 70043, UNITED STATES OF AMERICA.

Application No. 528/1972 filed June 13, 1972.

3 Claims.

Carding apparatus comprising carding cylinder rotatably mounted on a support, a cover member fitting closely around and coaxial with said carding cylinder, said cover member having an inner part-cylindrical carding surface adjacent the surface of the carding cylinder and extending circumferentially around a major portion of the periphery of the carding cylinder, leaving a minor axial portion of uniform width of carding cylinder surface uncovered, an axially extending member of regular cross-section secured to the card cover member and extending over and covering the uncovered portion of the carding cylinder surface to define with said uncovered portion an axial air-flow channel along the surface of the carding cylinder, said channel being open at each axial end adjacent the surface of the carding cylinder, one of said open ends constituting an inlet for a current of air carrying fibers to be carded, the other of said open ends constituting an exit for said air current carrying carded fibers, and one of said ends being adapted to be connected to air-flow inducing means whereby a current of air through the channel moves fibers entrained in said current across the curvilinear surface of the carding cylinder.

CLASS 32-F-2-b.

135424.

PROCESS FOR THE PRODUCTION OF NEW BASICALLY SUBSTITUTED 2, 4-(1H, 3H)-QUINAZOLINDIONE DERIVATIVES.

CASSELLA FARBWERKE MAINKUR AKTIENGESELLSCHAFT OF 6 FRANKFURT (MAIN)—FECHENHEIM, WEST GERMANY.

Application No. 140/Cal/1973 filed January 18, 1973.

Division of Application No. 127120 filed June 16, 1970.

1 Claim

Process for the production of basically substituted 2, 4-(1H 3H)-quinazolinedione derivatives of the general formula X I shown in the accompanying drawings, wherein R' means the radical of a secondary aliphatic cycloaliphatic araliphatic amine having 2 to 10 carbon atoms or of a 5, 6 or 7-membered heterocyclic nitrogen base which contains in the nucleus besides the nitrogen atom a corresponding number of methylene groups as well as optionally, a further nitrogen atom, an o or an s atom, said radical being bound via a nitrogen atom, R stands for lower alkoxy groups having 1 to 4 carbon atoms which are preferably in the 6, 7 or 6, 7, 8-position, R₁ represents alkoxy having 1 to 4 carbon atoms, m stands for the integers 1, 2 or 3 and n means the integers 2 or 3, characterized by cyclizing in a manner known per se substituted 0-aminobenzamides of the general formula—II shown in the drawings with phosgene or with a lower alkyl chloroformate where the alkyl moiety contains up to 4 carbon atoms.

CLASS 83-A-1 B4 & B5.

135425.

PROCESS OF MAKING TORTILLA DOUGH.

MANUEL JESUS RUBIO, AT 192 BENHAM AVENUE, CITY OF BRIDGEPORT, STATE OF CONNECTICUT, UNITED STATES OF AMERICA.

Application No. 538/Cal/1973 filed March 12, 1973.

Division of Application No. 129758 filed December 28, 1970.

5 Claims—No drawings.

A process of making tortilla dough useful for producing tortillas having increased resistance to flexibility and storage stability as well as to resistance to microbiological spoilage by mixing nixtamalized corn flour with water characterized by incorporating in the dough additive material selected from

(a) from 0.25 to 5% by weight of the tortillas of a water-soluble edible borate or aluminate; (b) from 0.25 to 1%, and 0.5 to 1.5% respectively by weight of the tortillas of phosphorus oxychloride and sodium chloride (c) from 0.25 to 1% by weight of the tortillas of epichlorohydrin at a pH of 8 to 10 in the dough; (d) from 0.25 to 2% by weight of the tortillas of a water-soluble edible alkaline substance as herein described (e) from 0.1 to 0.8% by weight of the tortillas of a compound selected from sodium potassium or calcium hydroxide, sodium carbonate or sodium bicarbonate, the pH being 8.5 to 9.0 or (f) from 0.025 to 5.0% by wt. of tortillas of an hydrophilic inorganic edible gel.

CLASS 134 A.

135427.

AN IMPROVED CLOSING DEVICE FOR FUEL TANK.

AGASTI MORESHWAR KANITKAR, 14, LAXMANRAO KIRLOSKAR ROAD, KIRKEE, POONA-3. MAHARASHTRA STATE, INDIA.

Application No. 1317/1972 filed September 1, 1972.

2 Claims

An improved closing device for a fuel tank is an assembly that can be mounted on the open mouth of the fuel tank pipe and which assembly comprises a spring loaded hinged lid with a spring loaded disc which takes a firm bearing on the annular surface of a washer ring fitted on the opening of the said assembly characterised in that the free end of the hinged lid is provided with a notched pin and in the said notch there engages a solenoid operated latch; on pressing a switch provided on the dash-board the said latch is attracted by the magnet in the solenoid to release the said notched pin of the said hinged lid to open the passage to the fuel tank; further characterised in that on releasing the button the solenoid is de-energised, whence upon a small spring pulls the latch to such a position that it makes a contact to complete a circuit to glow a small bulb on the panel to indicate that the petrol cap is open.

Opposition Proceedings**(1)**

An opposition has been entered by Takeda Chemical Industries Ltd. to the grant of a patent on application No. 78012 made by Fujisawa Pharmaceutical Co., Ltd.

(2)

The application for patent No. 124657 made by Govind Singh in respect of which an opposition was entered by Director General, Research Designs & Standards Organisation, has been treated as abandoned subject to payment of costs to opponents.

(3)

The application for Patent No. 124567 made by Govind Singh in respect of which an opposition was entered by Escorts Limited, as notified in Part III Section 2 of the Gazette of India dated the 18th July 1972 has been treated as abandoned subject to payment of costs to opponents.

(4)

The application for patent made by Govind Singh, in respect of which an opposition was entered by Gresham Craven of India Private Ltd. as notified in Part III, Section 2 of the Gazette of India, dated the 18th March 1972, has been treated as abandoned, subject to payment of costs to the opponents.

(5)

The opposition entered by Pulling & Lifting Machines Private Limited to the grant of a patent on application No. 128036 made by Tractel S.A., as notified in Part III, Section 2 of the Gazette of India dated the 4th November 1972 has been treated as withdrawn.

Correction of Clerical Errors

Under section 78(1) of the Patents Act, 1970 certain clerical errors occurring in the application, specification, drawings and patent in respect of Patent No. 112513 were corrected on 22nd June, 1973.

Patents Sealed

128427 128615 128843 128871 129334 129343 129494 130546
130602 130634 130704 131028 131035 131221 131251 131290
131472 131473 131608 131643 131720 131890 131936 131996
132185 132235 132373.

Amendment Proceedings under Section 57**(1)**

Notice is hereby given that Polymer Corporation Limited now re-named Polysar Limited, of Sarnia, Ontario, Canada, a Canadian Company duly incorporated under the Dominion Companies Act, have made an application under Section 57 of the Patents Act, 1970 for amendment of application and specification of their application for Patent No. 128922 for "Foam rubber-backed textiles". The amendments are by way of correction of name of the applicants which has changed from "Polymer Corporation Limited" to "Polysar Limited." The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office on any working day during usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(2)

Notice is hereby given that Tollemache Composting Systems Limited now re-named Tollemache Environmental Engineers Limited, a British Company, of 143 Maple Road, Surbiton, Surrey, England, have made an application under Section 57 of the Patents Act, 1970 for amendment of the application, specification and drawings of their application for Patent No. 132945 for "Improvements in ballistic separator/pulverizer". The amendments are by way of correction of name of the applicants which has been changed from "Tollemache Composting Systems Limited" to "Tollemache Environmental Engineers Limited". The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office on any working day during usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(7)

Notice is hereby given that Fierro Esponja S.A., a corporation organised under the laws of the Republic of Mexico, of Avenida Los Angeles al Oriente, Monterrey, N.L., Republic of Mexico have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for Patent No. 131995 for "Method of an apparatus for reducing particulate metal ores". The amendments are by way of correction and explanation so as to explain the invention more clearly. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office on any working day during usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing this said notice.

Registration of Assignments, Licences, etc. (Patents)

Assignments, licences or other transaction affecting the interest of the original proprietors have been registered in the following cases. The number of each case is followed by the names of the applicants for registration.

122555 — M/s. Olin Corporation.
115139 — M/s. Porvair Limited.
72609 — Messrs. The Bendix Corporation.
107544 — M/s. Faberge Inc (formerly known as Rayette Faberge, Inc).
115855 — M/s. Ciba-Geigy AG.

86015
94592
59128
71309
70627
70628
90262
96460
113807
124187

— M/s. Sonex And Jacobi and others.

**Patents Deemed to be Endorsed With
The Words "Licences of Right"**

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

| No. | Title of the invention |
|------------------|---|
| 108902 (17-1-67) | Water-insoluble azo dyestuffs and processes for their manufacture and use. |
| 108924 (18-1-67) | Phosphoric acid purification. |
| 108925 (18-1-67) | Process for the production of tolulenedi-isocyanates. |
| 108927 (18-1-67) | A method of treating mineralized water particularly sea water. |
| 108945 (12-4-66) | Process for reducing acetylene content of acetylene containing hydrogen chloride vapour. |
| 108951 (20-1-67) | Process for continuous drying of solid materials and apparatus for carrying out said process. |
| 108955 (20-1-67) | Process for preparing modified starches. |
| 108981 (21-1-67) | Process for the manufacture of ammonium nitrate. |
| 108985 (24-1-67) | Water-insoluble azo-dyestuffs, process for their manufacture and textile fibrous materials dyed or printed therewith. |
| 108987 (24-1-67) | Di-(hydroxynaphthyl)-triazines and processes for their manufacture and use. |
| 108988 (24-1-67) | New water-insoluble anthraquinone dyestuffs, process for their manufacture and materials dyed or printed therewith. |
| 108989 (24-1-67) | Diacylamino-dihalogeno, 1, 4-benzoquinones and a process for their manufacture. |
| 109003 (4-1-67) | Reactive dyestuff, and process for their preparation. |
| 109013 (4-2-66) | Process for the separation of yttrium from a mixture of rare-earth elements. |
| 109020 (25-1-67) | Continuous process for the production of ethylene polymers and catalysts suitable therefor. |
| 109021 (25-1-67) | Stabilized ammonium nitrate compositions and their production. |
| 109034 (25-1-67) | Process for preparing benzimidazoles, products produced thereby, and herbicidal compositions comprising the benzimidazoles. |
| 109066 (2-2-66) | Method of treating copper and iron containing sulphides. |
| 109082 (30-1-67) | A process for the production of active carbon from coconut shell. |
| 109086 (30-1-67) | Partial chlorination of acetoacetic acid monoalkylamides. |
| 109100 (30-1-67) | Process and installation for the industrial production of spinnable acrylonitrile-based polymers. |
| 109119 (31-1-67) | α -chloroacetamides and phytotoxic compositions. |
| 109121 (31-1-67) | Method of refining ethanol. |
| 109123 (31-1-67) | Process for the manufacture of mono-halogeno-N-alkyl-acetoacetamides. |
| 109125 (31-1-67) | Method for producing anticorrosive hot-dip strippable coating material. |

| | |
|------------------|--|
| 109175 (4-2-67) | A method for the manufacture of chemical compounds by employing an aerobic, hydrocarbon-utilizing microorganism. |
| 109187 (6-2-67) | New water-insoluble anthraquinone dyestuffs, process for the manufacture thereof, and materials dyed or printed therewith. |
| 109188 (6-2-67) | Process for the manufacture of new water-soluble N, N'-diglycidyl compounds. |
| 109189 (6-2-67) | Process for the manufacture of vinyl chloride from 1,2-dichloroethane. |
| 109192 (6-2-67) | Process for the production of hydrogen by a shift reaction. |
| 109193 (6-2-67) | Desulfurized hydrocarbon reforming. |
| 109194 (6-2-67) | Improvements in steam-gas reforming. |
| 109195 (6-2-67) | Improvements in the preparation of catalysts suitable for use in the dehydrogenation of hydrocarbons. |
| 109198 (6-2-67) | Reactive azo dyes, process for preparing the same and process for dyeing and printing materials using said dyes. |
| 109230 (8-2-67) | A process for the formulating of water thinnable surface coating compositions. |
| 109234 (8-2-67) | Phenol aldehyde reaction products and process for preparing the same. |
| 109257 (28-2-66) | Process for the preparation of per-oxydicarbonates. |
| 109265 (10-2-67) | Process for agglomerating solids from a suspension thereof. |
| 109272 (10-2-67) | A process for the preparation of melamine. |
| 109275 (10-2-67) | Preparations containing urea or thiourea derivatives for use as molluscicides. |
| 109283 (16-3-66) | Process for the preparation of calcium aluminate-cement catalyst. |
| 109286 (23-3-66) | Production of hydrogen. |
| 109287 (23-3-66) | Selective hydrogenation of acetylene. |
| 109296 (13-2-67) | Method for synthesis of urea. |
| 109310 (15-2-67) | A process for preparing a paint removing jelly composition. |
| 109322 (15-2-67) | Novel amide—amidine derivatives of polyalkenylsuccinic anhydride or acid and their process of preparation. |
| 109324 (3-6-65) | Process for the manufacture of pyridines. |
| 109334 (16-2-67) | Process for preparing 2, 5-hexadienoate. |
| 109342 (16-2-67) | Process for the production of 2-arylamino-4, 6-dichloro-5-triazines. |
| 109345 (16-2-67) | Herbicidal composition. |

RENEWAL FEES PAID

| | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 64822 | 65478 | 65628 | 68579 | 68606 | 68621 | 68632 | 68667 | 68727 |
| 68819 | 68847 | 68866 | 68893 | 68989 | 68990 | 68991 | 68992 | 68993 |
| 69116 | 69193 | 69242 | 70025 | 71719 | 72844 | 72848 | 72891 | 72985 |
| 73102 | 73168 | 73220 | 73221 | 73222 | 73223 | 74402 | 75358 | 77336 |
| 77971 | 77980 | 77985 | 78114 | 78646 | 78647 | 79635 | 80612 | 80613 |
| 82228 | 82240 | 82478 | 83543 | 83583 | 83605 | 83616 | 83706 | 83713 |
| 83729 | 83739 | 83761 | 83762 | 83763 | 85303 | 88715 | 89208 | 89209 |
| 89335 | 89336 | 89393 | 89434 | 89452 | 89476 | 89486 | 89511 | 89619 |
| 89628 | 89644 | 89772 | 89854 | 90004 | 90014 | 90092 | 90160 | 90560 |
| 93778 | 94104 | 94464 | 94625 | 94959 | 95002 | 95014 | 95040 | 95132 |
| 95143 | 95161 | 95179 | 95181 | 95191 | 95199 | 95282 | 95301 | 95302 |
| 95321 | 95383 | 95445 | 95665 | 95693 | 95817 | 96509 | 100428 | |
| 100762 | 100782 | 100810 | 100890 | 100919 | 100952 | 100970 | 101097 | |
| 101126 | 101138 | 101139 | 101140 | 101151 | 101212 | 101237 | 101238 | |
| 101310 | 101339 | 101340 | 101341 | 101342 | 101343 | 101347 | 101417 | |
| 101628 | 101670 | 101712 | 101889 | 101986 | 102264 | 102265 | 102266 | |
| 102432 | 105985 | 106404 | 106445 | 106446 | 106458 | 106479 | 106547 | |
| 106553 | 106625 | 106637 | 106676 | 106698 | 106717 | 106739 | 106819 | |
| 106833 | 106841 | 106895 | 106973 | 106997 | 107114 | 107306 | 108062 | |

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|--------|--------|--------|--------|--------|--------|--------|--------|
| 108295 | 108366 | 108426 | 108535 | 108772 | 108918 | 110063 | 110546 |
| 110819 | 111409 | 111773 | 111781 | 111843 | 111847 | 111876 | 111904 |
| 111917 | 111944 | 111945 | 111986 | 111987 | 111989 | 112005 | 112047 |
| 112096 | 112114 | 112169 | 112217 | 112263 | 112370 | 112414 | 112440 |
| 112519 | 112570 | 112572 | 112573 | 112579 | 113022 | 113023 | 114840 |
| 117045 | 117088 | 117093 | 117116 | 117123 | 117124 | 117143 | 117150 |
| 117165 | 117285 | 117286 | 117314 | 117318 | 117376 | 117385 | 117402 |
| 117423 | 117424 | 117430 | 117489 | 117490 | 118148 | 118251 | 118411 |
| 118648 | 121280 | 122091 | 122167 | 122393 | 122573 | 122597 | 122608 |
| 122619 | 122649 | 122671 | 122673 | 122681 | 122704 | 122717 | 122726 |
| 122770 | 122784 | 122785 | 122789 | 122803 | 122860 | 122861 | 122888 |
| 122889 | 122890 | 122900 | 122922 | 122923 | 122980 | 122997 | 123139 |
| 123200 | 123220 | 123227 | 123289 | 123290 | 123311 | 124089 | 124261 |
| 124564 | 125570 | 125842 | 125923 | 126631 | 127355 | 127375 | 127633 |
| 127706 | 127829 | 127863 | 127888 | 127969 | 127971 | 128017 | 128029 |
| 128082 | 128124 | 128158 | 128231 | 128403 | 128438 | 128576 | 128583 |
| 128722 | 128786 | 128861 | 128969 | 129123 | 129266 | 129392 | 129725 |
| 130009 | 130167 | 130309 | 130631 | 130662 | 131071 | 131458 | 131796 |
| 132161 | 133919 | | | | | | |

CESSATION OF PATENTS

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 112028 | 112905 | 112908 | 112923 | 112925 | 112929 | 112936 | 112945 |
| 112959 | 112969 | 112986 | 113055 | 113087 | 113088 | 113091 | 113092 |
| 113093 | 113156 | 113175 | 113186 | 113196 | 113234 | 113243 | 113247 |
| 113248 | 113292 | 113301 | 113318 | 113341 | 113358 | 113364 | 113366 |
| 113376 | 113390 | 113391 | 113448 | 113456 | 113467 | 113468 | 113481 |
| 113487 | 113504 | 113582 | 113583 | 113635 | 113649 | 113659 | 113677 |
| 113704 | 113741 | 113742 | 113748 | 113750 | 113754 | 113757 | 113760 |
| 113776 | 113806 | 113833 | 113847 | 113850 | 113859 | 113887 | 113899 |
| 113901 | 113923 | 113924 | 113958 | 113964 | 113967 | 113999 | 114015 |
| 114025 | 114030 | 114041 | 114047 | 114051 | 114054 | 114060 | 114064 |
| 114065 | 114067 | 114090 | 114130 | 114131 | 114137 | 114142 | 114151 |
| 114156 | 114174 | 114175 | | | | | |

(2)

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|--------|--------|--------|--------|--------|--------|--------|--------|
| 114185 | 114192 | 114195 | 114200 | 114230 | 114246 | 114280 | 114316 |
| 114320 | 114335 | 114347 | 114357 | 114361 | 114399 | 114412 | 114468 |
| 114484 | 114503 | 114539 | 114544 | 114547 | 114548 | 114549 | 114587 |
| 114629 | 114646 | 114651 | 114672 | 114679 | 114684 | 114685 | 114690 |
| 114709 | 114721 | 114735 | 114748 | 114760 | 114767 | 114774 | 114777 |
| 114778 | 114780 | 114793 | 114795 | 114798 | 114811 | 114817 | 114826 |
| 114843 | 114848 | 114868 | 114910 | 114918 | 114923 | 114925 | 114938 |
| 114942 | 114944 | 114949 | 114959 | 114960 | 114965 | 114989 | 114995 |
| 115003 | 115007 | 115012 | 115015 | 115034 | 115041 | 115051 | 115052 |
| 115073 | 115099 | 115118 | 115124 | 115127 | 115131 | 115132 | 115138 |
| 115142 | 115143 | 115144 | 115151 | 115152 | 115155 | 115158 | 115162 |
| 115164 | 115165 | 115166 | 115168 | 115175 | 115184 | 115185 | 115188 |
| 115191 | 115195 | 115198 | 115205 | 115211 | 115212 | 115213 | 115215 |
| 115217 | 115221 | 115224 | 115231 | 115236 | 115244 | 115252 | 115253 |
| 115254 | 115271 | 115273 | 115288 | 115289 | 115291 | 115303 | 115316 |
| 115319 | 115329 | 115331 | 115339 | 115340 | 115343 | 115345 | 115348 |
| 115349 | 115354 | 115356 | 115358 | 115360 | 115375 | 115388 | 115392 |
| 115393 | 115395 | 115398 | 115405 | 115410 | 115411 | 115416 | 115438 |
| 115440 | 115441 | 115442 | 115445 | 115446 | 117675 | | |

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 71881 granted to Doctor Paramban Kunimal Chandrasekharan for an invention relating to "An improved rubber catheter for the introduction of contrast material for Bronchography". The patent ceased on the 23rd May, 1964 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 19th September 1964.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 18th October, 1973 under Rule 60 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest the facts upon which he bases his case and the relief he seeks shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 115326 granted to Arumbuliyur Cumandur Krishnaswami Krishnaswami and Chiranjilalji Hariprasad for an invention relating to "A device for procuring the fermentation of tea leaves". The patent ceased on the 6th April, 1972 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 11th August 1973.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 18th October, 1973 under Rule 60 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 116714 granted to Yoshio Chiba subsequently assigned to Kanebo Ltd. for an invention relating to "Method of forming the spherically swollen headed terminal structure of the separable fastening device in a cloth". The patent ceased on the 9th July 1972 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 21st July, 1973.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents. The Patent Office, 214, Acharya Jagadish Bose Road Calcutta-17 on or before the 18th October 1973 under Rule 60 of the Patents Rules 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application for restoration of Patent No. 102974 dated the 13th December 1965 made by Philips Petroleum Company on the 7th March 1973 and notified the Gazette of India, Part III Section 2 dated the 21st April, 1973 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

COPYRIGHT EXTENDED FOR A SECOND PERIOD OF FIVE YEARS

Design Nos. 134773, 133027 to 133029, 138293 Class—3.

Design No. 133003 and 133004 Class—4.

Design No. 138404 Class—12.

COPYRIGHT EXTENDED FOR A THIRD PERIOD OF FIVE YEARS

Design Nos. 134773 133027 to 133029, 138293 Class—3.

Design No. 138404 Class—12.

S. VEDARAMAN,

Controller General of Patents, Designs & Trade Marks.